

We claim:

1 ~~Sub A~~ 1. A method for forwarding packets to a network, comprising the steps of:
2 attempting to forward a packet stored in memory to the network;
3 establishing a time limit within which to forward the packet stored in the memory
4 to the network;
5 monitoring an elapsed period of time while attempting to forward the packet
6 stored in the memory to the network; and
7 determining whether to cancel attempts to forward the packet stored in the
8 memory to the network when the elapsed period of time exceeds the time limit.

1 2. The method of claim 1 further comprising the step of canceling attempts to
2 forward the packet stored in the memory when that packet is not currently being
3 transmitted over the network.

1 3. The method of claim 1 further comprising the step of allowing
2 transmission of the packet stored in the memory to complete when that packet is currently
3 being transmitted over the network

1 4. The method of claim 1 further comprising the step of interrupting
2 transmission of the packet stored in the memory when that packet is currently being
3 transmitted over the network.

1 *Sub B2* 6. The method of claim 1 further comprising the step of replacing the packet
2 stored in the memory with a new packet having the same data as the replaced packet
3 when it is determined to cancel the forwarding of the stored packet.

1 ⁷
 ~~8.~~ The method of claim ⁵~~7~~ wherein the packet stored in memory includes

2 time-sensitive data and protocol-related data, and the new packet has the same time-

3 sensitive data and different protocol-related data as the replaced packet.

1 ⁹
~~10.~~ The method of claim ⁷~~8~~ further comprising the steps of:

2 initiating attempts to transmit the new packet to the network; and

3 resetting the elapsed period of time.

1 ¹⁰ 11. The method of claim ⁷ 8 wherein the packet stored in memory includes
2 time-sensitive data and the step of replacing the packet stored in memory with a new
3 packet can occur a predetermined maximum number of times.

1 ⁶ 12. The method of claim ⁵ 7 wherein the packet stored in memory includes
2 time-sensitive data and protocol-related data, and the new packet has different time-
3 sensitive data and the same protocol-related data as the replaced packet.

1 13. The method of Claim 1 wherein the steps of monitoring, establishing the
2 time limit, and determining whether to cancel forwarding the packet stored in memory
3 occur only when the packet stored in the memory includes time-sensitive data.

Abstract 20140260

Add A²

Add B³

add c¹

add D⁵

Add E⁵